

Amendments to the Specification:

Please replace the section entitled "BRIEF DESCRIPTION OF THE DRAWINGS" with the following amended section:

BRIEF DESCRIPTION OF THE DRAWINGS

In the accompanying drawings:

FIG. 1 is a process flow diagram describing a process for pumping fluid using a pump cassette in accordance with an embodiment of the present invention;

FIG. 2A shows a front view of the pump cassette in accordance with an embodiment of the present invention;

FIG. 2B shows a rear view of the pump cassette in accordance with an embodiment of the present invention;

FIG. 2C shows a perspective view of the pump cassette in accordance with an embodiment of the present invention;

FIG. 3A shows an exploded view of an exemplary control assembly in accordance with an embodiment of the present invention;

FIG. 3B shows a front view of an exemplary bezel in accordance with an embodiment of the present invention;

FIG. 3C shows a rear view of an exemplary bezel in accordance with an embodiment of the present invention;

FIG. 3D shows a front view of an exemplary bezel gasket in accordance with an embodiment of the present invention;

FIG. 3E shows a rear view of an exemplary bezel gasket in accordance with an embodiment of the present invention;

FIG. 4A shows an exploded view of a door assembly in accordance with an embodiment of the present invention;

FIG. 4B shows a front perspective view of the door assembly in accordance with an embodiment of the present invention;

FIG. 4C shows a rear perspective view of the door assembly in accordance with an embodiment of the present invention, in which the cassette receptacle is in a retracted position;

FIG. 4D shows a rear perspective view of the door assembly in accordance with an embodiment of the present invention, in which the cassette receptacle is in an open position;

FIG. 5A shows an exemplary blood processing system having a plurality of blood pumps in accordance with an embodiment of the present invention;

FIG. 5B shows an exemplary wiring diagram for one embodiment of the blood processing system shown in FIG. 5A;

FIG. 5C shows an exemplary wiring diagram for another embodiment of the blood processing system shown in FIG. 5A;

FIG. 6 shows an exemplary blood disposables set in accordance with an embodiment of the present invention;

FIG. 7 shows a conceptual block diagram of the blood pump in accordance with an embodiment of the present invention;

FIG. 8A is an architectural flow diagram showing the relationship between the pneumatic control assembly and the other assemblies in accordance with an embodiment of the present invention;

FIG. 8B shows an exemplary embodiment of the pneumatic control assembly in accordance with an embodiment of the present invention;

FIG. 9 shows a side perspective view of the occluder assembly in accordance with an embodiment of the present invention;

FIG. 10 shows a cross-sectional view of an occluder in accordance with an embodiment of the present invention;

FIG. 11 shows an exploded view of the occluder assembly in accordance with an embodiment of the present invention; and

FIG. 12 is a schematic diagram showing the pump cassette installed in the blood pump in accordance with an embodiment of the present invention;

FIG. 13 is a process flow diagram describing the compounding and blood treatment process, which is coordinated by the process controller, in accordance with an embodiment of the present invention;

FIG. 14 is a process flow diagram showing additional details of the blood processing operations in accordance with an embodiment of the present invention;

FIG. 15 is a process flow diagram describing the blood pump dry CIT process in accordance with an embodiment of the present invention;

FIG. 16 is a process flow diagram describing the blood pump working solution priming process in accordance with an embodiment of the present invention;

FIG. 17 is a process flow diagram describing the blood pump wet CIT process in accordance with an embodiment of the present invention;

FIG. 18 is a process flow diagram describing the blood mixing process in accordance with an embodiment of the present invention;

FIG. 19 is a process flow diagram describing the volumetric calibration process in accordance with an embodiment of the present invention; and

FIG. 20 is a process flow diagram describing the process for manual blood pump teardown in accordance with an embodiment of the present invention.